7. A uniaxial accelerometer unit can be attached directly to the mounting location provided on the right side of the tibia tube to measure the Y-axis acceleration. Use two #0-80 x 1/4" SHCS {0.05} to attach the uniaxial accelerometer to the flat mounting area on the right hand side of the Lower Tibia Tube, as shown in **Figure 3.8**.

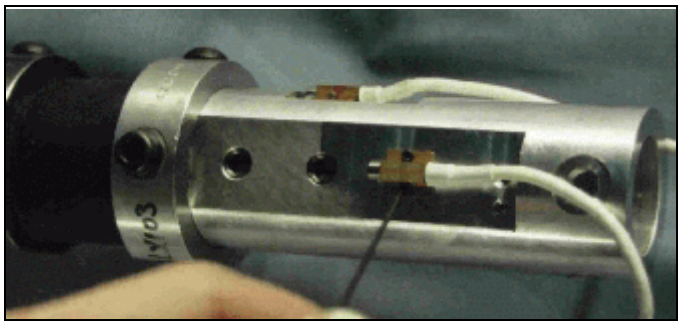

Figure #3.8 - Attaching Y-axis accelerometer

8. The Tibia Guard (T1LLM014) is mounted to the front of the Lower Leg assembly using a 1/4-28 x 7/8" BHSCS {5/32} in the top mounting hole and a 1/4-28 x 5/8" BHSCS {5/32} in the lower mounting hole, as shown in **Figure 3.9**. The triaxial accelerometer wire is routed out the hole in the tibia guard on the right side.

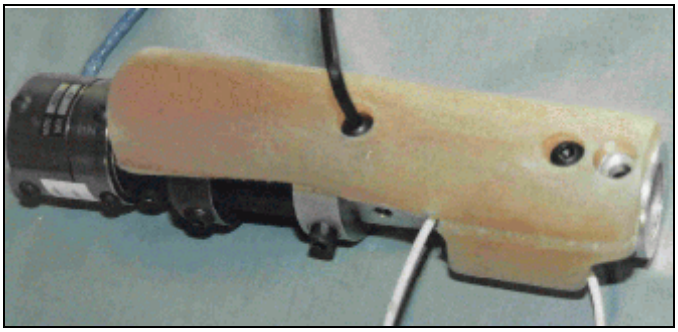

Figure #3.9 - Tibia Guard Assembly

9. An exploded view of the Achilles Spring Tube assembly is shown in **Figure 3.10**. Refer to drawing T1LLM300 for further details .

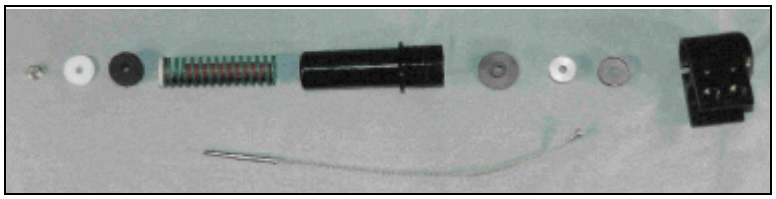

Figure #3.10 - Exploded View of Achilles Spring Tube

10. Place the Load Cell Base Washer (T1LLM315) into the counterbore at the bottom of the Spring Tube Base (T1LLM310), as shown in **Figure 3.11**.

Figure #3.11 - Load Cell Base Washer

11. Place the mock uniaxial load cell (T1LLM020) into the bottom of the Spring Tube Base, as shown in **Figure 3.12**.

Figure #3.12 - Mock Uniaxial Load Cell

12. Place the Achilles Spring Base Cap (T1LLM314) onto of the Mock Load Cell with the raised button facing away from the load cell, as shown in **Figure 3.13**.

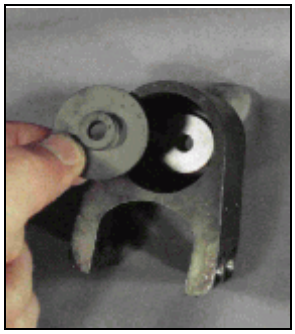

Figure #3.13 - Spring Base Cap

13. Screw the Achilles Spring Tube (T1LLM311) into the top of the Spring Tube Base and tighten securely as shown in **Figure 3.14**.

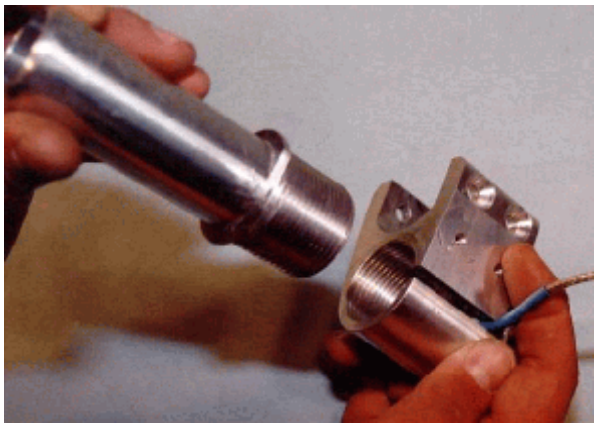

Figure #3.14 - Thread Spring Tube into Base

14. Position the Elastomeric Spring Element (T1LLM316) inside the compression spring. Slide the compression spring assembly (Spring & T1LLM313) into the Spring Tube with the Spring Cap toward the open end, as shown in **Figure 3.15**.

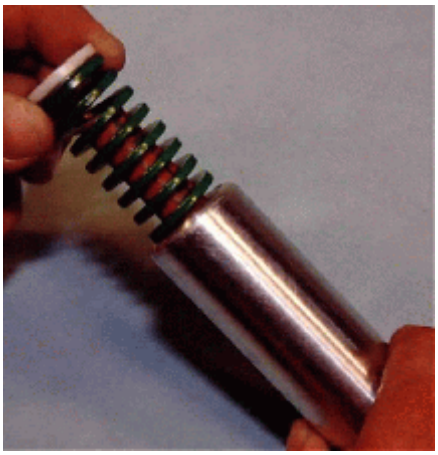

Figure #3.15 - Slide compression spring into the Spring Tube

15. Insert the Soft Foam Compression Element (T1LLM317) on top of the Spring, as shown in **Figure 3.16**.